

Department of Electronics and Communication Engineering

CERTIFICATE

This is to certify that the project work entitled

“IoT Based School Bus Monitoring System ”
is a work carried out by

- | | |
|------------|--------------------------|
| 1KS19EC084 | : Shreyas V Bharadwaj |
| 1KS19EC087 | : Srinivas S |
| 1KS19EC089 | : Sriram |
| 1KS19EC107 | : Vishnuraata Yadunandan |

is a bonafide work carried out at K.S. institute of Technology, Bangalore in partial fulfillment for the award of Bachelor of Engineering Degree in Electronics and Communication from Visvesvaraya Technological University, Belgaum during the year 2022-2023. It is certified that all corrections and suggestions indicated during internal assessment have been incorporated in the report deposited in the department library. The project report has been approved as it satisfies the academic requirements in respect of Project Work prescribed for Bachelor of Engineering Degree.


Signature of Guide


Signature of HOD

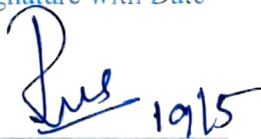
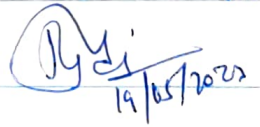

Signature of Principal

EXTERNAL VIVA:

Name of Examiners

Signature with Date

1. Dr. P. N. Sudha
2. Rajesh sudi

 19/5/2023
 19/05/2023



Kammavari Sangham (R) - 1952
K.S. INSTITUTE OF TECHNOLOGY

(Affiliated to VTU, Belagavi & Approved by AICTE, New Delhi)
No 14, Raghuvanahalli, Kanakapura Main Road, Bengaluru - 560109
Tel : +91-80-28435722 / 24 Fax : +91-80-28435723 Email : principal.ksit@gmail.com Website : www.ksit.ac.in



Department of Electronics and Communication Engineering

CERTIFICATE

This is to certify that the project work entitled

“Automated and Movable Waste Segregator”
is a work carried out by

Rangaswamy U	:	1KS19EC068
S K Bharatesh	:	1KS19EC070
Shreyas B Aradhya	:	1KS19EC082
Tushar R Vasishta	:	1KS19EC099

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Name of Examiners

Signature with Date

1. Dr. P.N. Sudha

2. Rajesh Sudi

19/08/2023



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CERTIFICATE

This is to certify that the project work entitled

“Fruit Categorizer using pH Sensor”
is a work carried out by

Radhakrishna L	:	1KS19EC065
Rajalakshmi S	:	1KS19EC066
Shreyas Gowda	:	1KS19EC083

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Department of Electronics and Communication Engineering
CERTIFICATE

This is to certify that the project work entitled

“Soil moisture detection with automatic water pump control”
is a work carried out by

VIKAS S : **1KS19EC104**
VISHAL SANJAY RAJU : **1KS19EC106**

is a bonafide work carried out at K.S. institute of Technology, Bangalore in partial fulfillment for the award of Bachelor of Engineering Degree in Electronics and Communication from Visvesvaraya Technological University, Belgaum during the year 2022-2023. It is certified that all corrections and suggestions indicated during internal assessment have been incorporated in the report deposited in the department library. The project report has been approved as it satisfies the academic requirements in respect of Project Work prescribed for Bachelor of Engineering Degree.

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2. Rajesh Sude

Signature with Date

P. Sude 19/15
P. Sude 19/15



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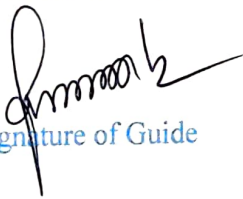
Department of Electronics and Communication Engineering

CERTIFICATE

This is to certify that the project work entitled
“Anti corruption traffic management system.”
 is a work carried out by

ABHISHEK C	: 1KS19EC002
CHANDAN RAJ Y	: 1KS19EC016
JAYANTH M B	: 1KS19EC036
KARTHIK K	: 1KS19EC038

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Name of Examiners

Signature with Date

1. Dr. P.N. Sridha
2. Rajesh Sudi

 19/5
 23



Department of Electronics and Communication Engineering

CERTIFICATE

This is to certify that the project work entitled

"FOREST MONITORING SYSTEM"
a work carried out by

Aishwarya M G	:	1KS19EC004
Archana Yadav M	:	1KS19EC011
Meghana H P	:	1KS19EC046
Pooja S P	:	1KS19EC057

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EXTERNAL VIVA:

Name of Examiners

Signature with Date

1. Dr. P-N-Gudha

Pug 19/5

2. Rajesh Sudi

Ry 19/05/2023



Department of Electronics and Communication Engineering

CERTIFICATE

This is to certify that the project work entitled

“HEALTH MONITORING SYSTEM”
a work carried out by

Chaitra P	:	1KS19EC015
Krupa A	:	1KS19EC040
Likitha H	:	1KS19EC043
Monika V Arya	:	1KS19EC049

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2. Rajam Sudi

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Department of Electronics and Communication Engineering

CERTIFICATE

This is to certify that the project work entitled

“Automatic Food and Medicine Dispenser System.”
is a work carried out by

Vandana G : 1KS19EC101

is a bonafide work carried out at K.S. institute of Technology, Bangalore in partial fulfillment for the award of Bachelor of Engineering Degree in Electronics and Communication from Visvesvaraya Technological University, Belgaum during the year 2022-2023. It is certified that all corrections and suggestions indicated during internal assessment have been incorporated in the report deposited in the department library. The project report has been approved as it satisfies the academic requirements in respect of Project Work prescribed for Bachelor of Engineering Degree.


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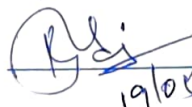
Name of Examiners

Signature with Date

1. Dr. P.N. Sudeha

2. Rajun Sudi

 19/5

 19/05/2023

Department of Electronics and Communication Engineering

CERTIFICATE


This is to certify that the project work entitled

“Real Time Human Safety Device”

is a work carried out by

Sabarish I J	:	IKS19EC071
Samiksha S	:	IKS19EC075
Sathvik U M	:	IKS19EC077
Swagath Aithal PG	:	IKS19EC094

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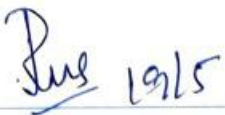


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CERTIFICATE

This is to certify that the project work entitled.

“Biometric Based Authentication for Vehicle Ignition System.”

is a work carried out by

ABHILASH AS	:	IKS19EC001
HEMANTH R PATIL	:	IKS19EC033
LAKSHMAN KUMARA B	:	IKS19EC042
MOHAMMAD RAKHEEB MR	:	IKS19EC047

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Name of Examiners

Signature with Date

- Dr. Veeresh Patil
- Dr. Chanda V Reddy

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CERTIFICATE

This is to certify that the project work entitled

**“Aerial Technology for Low Power Transmission using array of
RF Antenna.”**

is a work carried out by

BHAVANA S	: IKS19EC014
RAJSHEKAR	: IKS19EC018
DAVINO JOSEPH	: IKS19EC022
BY HARSHITHA	: IKS19EC032

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CERTIFICATE

This is to certify that the project work entitled

“Automation of Petrol Bunk using RFID”

is a work carried out by

PRASANTH SK : **1KS19EC061**
SANTOSH HEGDE : **1KS19EC076**
SUHAS M GOWDA : **1KS19EC090**
TNL RUTHVIK : **1KS19EC096**

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Name of Examiners

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1. Dr. Veeresh Patil

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Dr. Patil 19/5/2023

Dr. Reddy 19/5/2023

Department of Electronics and Communication Engineering

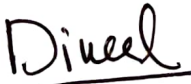
CERTIFICATE

This is to certify that the project work entitled

“Smart Restaurant Using E-MENU And Waiter Robot”
is a work carried out by

1KS19EC079 : Shashank Kashyap H R
1KS19EC081 : Shreyams DK
1KS19EC085 : Shubham Kumar Singh A
1KS19EC092 : Sumukha Vasishta M R

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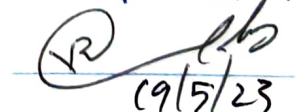
Name of Examiners

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19/05/23

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Department of Electronics and Communication Engineering

CERTIFICATE

This is to certify that the project work entitled

Tamper Proof Ration Disbursement System for Rural Areas.”

is a work carried out by

AMULYA R	:	1KS19EC008
GAYATHRI R WARRIER	:	1KS19EC028
JAGRUTI PAI	:	1KS19EC035
MANU N KANDRA	:	1KS19EC045

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Dr. Veeresh Patil
19/5/23

Dr. Chanda V Reddy
19/5/23



Department of Electronics and Communication Engineering

CERTIFICATE

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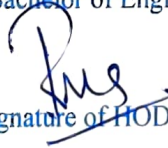
“AUTOMATIC WALL PAINTING ROBOT”

is a work carried out by

ANITHA S	:	1KS19EC009
MANOGNA K M	:	1KS19EC037
RANJANA P	:	1KS20EC401
SINDHU J	:	1KS20EC402

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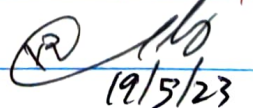
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Department of Electronics and Communication Engineering

CERTIFICATE

This is to certify that the project work entitled

“Robotic Nurse”

is a work carried out by

AMRUTA	:	1KS19EC007
GOWRI S NADIGER	:	1KS19EC030
NIDHI S	:	1KS19EC052
VAISHNAVI K	:	1KS19EC100

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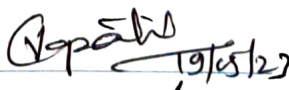

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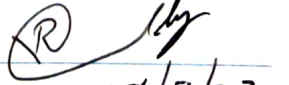
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Name of Examiners

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2. Dr Chanda V Reddy


19/5/23


19/5/23



Department of Electronics and Communication Engineering

CERTIFICATE

This is to certify that the project work entitled

“Voice Controlled Personal Assistant Robot”
is a work carried out by

NISARGA.K	:	1KS19EC053
POKURI MOUNIKA	:	1KS19EC056
SAI PRIYA T. S	:	1KS19EC074
TEJASHWINI P. V	:	1KS19EC097

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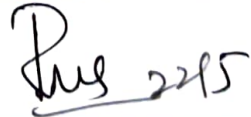

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1. Dr. P-N-Sudha


22/5

2. Rajesh Sudi


22/05/2023



Department of Electronics and Communication Engineering

CERTIFICATE

This is to certify that the project work entitled

“SOLAR POWERED AUTOMATIC STREET LIGHT SYSTEM”
a work carried out by

Aishwarya Basavaraja Kembavi	:	IKS19EC003
Akshitha	:	IKS19EC006
Anjali Y J	:	IKS19EC010
M Lokeshwari	:	IKS19EC044

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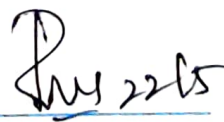

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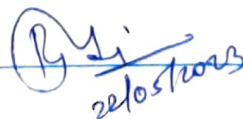
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“Kissan KIOSK For Rural Areas”
is a work carried out by

Chiranthana Yogananda K	:	IKS19EC019
Sai Siddarth	:	IKS19EC029
Harsha R	:	IKS19EC031
Mohith Kumar G	:	IKS19EC048

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1. Dr. P.N. Sudeha

2. Rajesh Sudeh

21/05/2023

Department of Electronics and Communication Engineering

CERTIFICATE

This is to certify that the project work entitled

“Virtual Pen”

is a work carried out by

Akshay Kumar D	:	IKS19EC005
Kashyap P	:	IKS19EC039
Kruthik S	:	IKS19EC041
Sneha N	:	IKS18EC089

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Signature of Guide


Signature of HOD


Signature of Principal

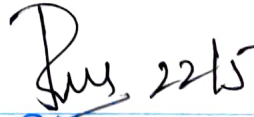
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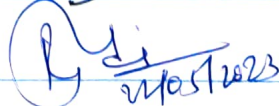
Name of Examiners

Signature with Date

1. Dr. P-N-Sudha

2. Rajesh Sudhi


22/5


22/5/2023



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K.S. INSTITUTE OF TECHNOLOGY

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Department of Electronics and Communication Engineering

CERTIFICATE

This is to certify that the project work entitled

“Plastic bottle and metal Can collection and rewarding machine.”

is a work carried out by

VIGNESHMUTHAIAH R : IKS19EC103

VINUTH S REDDY : IKS19EC105

YASHASWINI N : IKS19EC108

MADALA VIVEK KUMAR : IKS20EC400

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EXTERNAL VIVA:

Name of Examiners

1. Dr. P.N. Sridhar
2. Rajesh Sudi

Signature with Date



Department of Electronics and Communication Engineering

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“E-PASSPORT AUTHENTICATION using IoT AND AI”
is a work carried out by

Shamitha Bijoor	:	1KS19EC078
Sinchana MN	:	1KS19EC086
Sushmitha S	:	1KS19EC093
Theerthana S R	:	1KS19EC098

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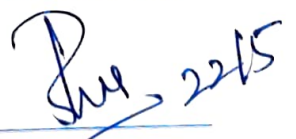
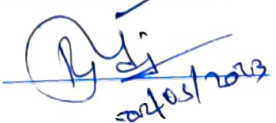

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EXTERNAL VIVA:

Name of Examiners

1. Dr. D. N. Indha
2. Rajesh Sudi

Signature with Date


22/5

20/05/2023

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CERTIFICATE

This is to certify that the project work entitled

“Power Generation On Highway By Using Vertical Windmill And Solar System”

is a work carried out by

Nayan D	:	IKS19EC020
Pradeep Gaded	:	IKS19EC058
Prakash Chegore	:	IKS19EC059
Rohan K R	:	IKS19EC069

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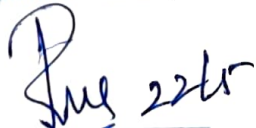
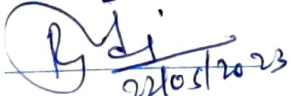

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2. Rajesh Sudi

Signature with Date


22/05/2023

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This is to certify that the project work entitled

“TRACKING OF MOBILE PHONES FOR PIRACY DETECTION”

is a work carried out by

Chandana L	:	1KS19EC017
Danesh Raju V	:	1KS19EC021
Dheemanth KN	:	1KS19EC024
Priyanka K	:	1KS19EC064

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EXTERNAL VIVA:

Name of Examiners

Signature with Date

1. Dr. Veeresh Patil

2. Dr. B. S. Sankaran

Dr. Veeresh Patil
22/5/23

Dr. B. S. Sankaran
22/5/23



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“Anti-Counterfeit System for Theatres”
is a work carried out by

Ashritha R	:	1KS19EC012
Dhanya Sukanth B K	:	1KS19EC023
Disha Shivani	:	1KS19EC025
Sahana S	:	1KS19EC073

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EXTERNAL VIVA:

Name of Examiners

Signature with Date

1. Dr. Vecresh patil
2. Dr. B. Subhan

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“Fire Fighting Robot”
is a work carried out by

Nithin D	:	IKS19EC054
Pavan Kumar G R	:	IKS19EC055
Praveen Kumar N	:	IKS19EC062
Preetham G H	:	IKS19EC063

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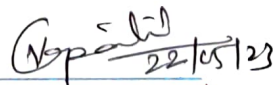

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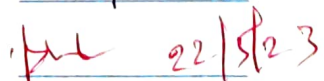
Name of Examiners

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“Hybrid Power Grid Based on IoT”
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Gayathri P K	:	1KS19EC027
Monisha B K	:	1KS19EC050
N Anila	:	1KS19EC051
Srinivasan M	:	1KS19EC088

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
Name of Examiners

Signature with Date

1. Dr. Veeresh Padil


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2. Dr. B. Subraman


22/5/23

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This is to certify that the project work entitled

“NON-INVASIVE THYROID DETECTION”

is a work carried out by

SWATHI U	:	1KS19EC095
VANDANA S	:	1KS19EC102


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Name of Examiners

Signature with Date

1. Dr. Veeresh patil

Dr. Veeresh patil
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2. Dr. B. S. Chelvan

Dr. B. S. Chelvan
22/5/23